

AMENDMENTS TO THE CLAIMS – CLEAN VERSION

1. (Currently Amended) A device for gripping and transferring a ring of electrical conductors in the form of pins used to produce a pin winding for a rotating electrical machine stator, the gripping device comprising:
 - a support element comprising,
 - a frame having an axis, and
 - a plurality of levers for gripping the ring,
 - wherein each of the plurality of levers comprises,
 - a control arm,
 - a gripping arm having an end element configured to grip the ring, and
 - an intermediate section between the control arm and the gripping arm;
 - wherein the intermediate sections of the plurality of levers are pivotally mounted on the frame, the pivotal mounting comprising a position for gripping the ring and a release position;
 - at least one control element configured to pivot the plurality of levers, the at least one control element comprising:
 - a cone disposed coaxial to the frame, and having a surface inclined relative to the axis of the frame,
 - wherein the at least one control element is configured to axially move the cone in the frame;
 - wherein the ends of the control arms of the plurality of levers are maintained in support against the inclined surface of the cone;
 - wherein the plurality of levers pivot in response to the axial movement of the cone; and
 - wherein the gripping device is adapted to,
 - seize the ring in a first device for forming the ring, and
 - transfer the ring to a second device by inserting the ring in the support element of the winding

2. (Currently Amended) The device according to claim 1,
wherein the ends of the control arms of the plurality of levers are maintained in support
against the inclined surface by an elastically stretchable seal, and
wherein the elastically stretchable seal is stretched and disposed in an annular groove
coaxial to the frame, the coaxial groove being formed by notches on an outside
surface of the ends of the control arms .
3. (Currently Amended) The device according to claim 1,
wherein the pivoting of the plurality of levers is in a radial plane, and
wherein the ring is maintained by the plurality of levers in a position coaxial to the
frame.
4. (Currently Amended) The device according to claim 1, wherein the intermediate sections are
formed by middle sections of the plurality of levers.
5. (Currently Amended) The device according to claim 1,
wherein the intermediate sections of the plurality of levers is mounted inside a cavity
having a generally toroidal form, and
wherein the cavity is delimited by annular parts of the frame, the annular parts having a
slot for passage of each of the control arms and the gripping arms of the plurality
of levers.
6. (Currently Amended) The device according to claim 5,
wherein the annular parts form a generally toroidal section, the generally toroidal section
having a hollow inside, and
wherein an internal surface of the hollow inside is at least partially curved along a circle
arc such that rotation of the intermediate sections of the plurality of levers having
spindles is allowed.

7. (Currently Amended) The device according to claim 1,
wherein at least some of the end elements of the gripping arms of the plurality of levers
have lateral pins, and
wherein the lateral pins are configured to tighten straight prongs of the pins of the ring of
electrical conductors of the winding to be formed against a support surface of the
frame when the plurality of levers are in a tightening position.
8. (Currently Amended) The device according to claim 7, wherein the end elements of the
gripping arms of the plurality of levers are configured to penetrate between the straight
prongs of the pins of the ring disposed adjacent to a peripheral of the ring when the plurality
of levers are in the gripping position.
9. (Currently Amended) The device according to claim 1, further comprising handling grips.
10. (Currently Amended) The device according to claim 1, wherein the control device
comprises a cylinder placed between the cone and the frame.
11. (Currently Amended) The device according to claim 1, further comprising predetermined
positioning elements on the first and second devices, wherein the predetermined positioning
elements are tubular elements configured to work with small columns.
12. (New) The device according to claim 1, further comprising predetermined positioning
elements on the first and second devices,
wherein the predetermined positioning elements are small columns configured to work
with tubular elements.